

REMARKS/ARGUMENTS

Favorable reconsideration of this application, in light of the present amendment and following discussion, is respectfully requested.

Claims 17, 19, 20, and 22 are pending, and Claims 17, 19, 20, and 22 are amended.

Support for the amendments to Claims 17, 19, 20, and 22 is found, for example, in Figs. 17 and 18. Thus, no new matter is added.

In the outstanding Office Action, Claims 17, 19, 20, and 22 were rejected under 35 U.S.C. §103(a) as unpatentable over Yoo et al. (U.S. Patent No. 6,701,059, hereinafter Yoo) in view of Morrison (U.S. Patent No. 6,591,292).

In a non-limiting embodiment of the claimed invention, an information medium is configured to store a data structure for recording broadcasted MPEG transport stream information including service information. The MPEG transport stream information is configured to be recorded on the medium and to be reproduced from the medium using at least one of a recording apparatus and a reproducing apparatus. The data structure includes: a data area for recording the broadcasted MPEG transport stream information; and a management area, different from the data area, for recording control information for managing the broadcasted MPEG transport stream information recorded in the data area. The object data to be recorded in the data area includes at least one data unit which includes a plurality of pairs of time stamp information and transport packets. The management area is configured to record first management information including second management information specifying broadcast sources. The first management information includes size information indicating a length of the transport packet. The first and second management information recorded in the management area are configured to be reproduced prior to reproduction of the broadcasted MPEG transport stream information recorded in the data area. The recording or reproducing apparatus is configured to record data on or to reproduce

data from the medium according to a combination of a specific broadcast source indicated by the second management information and a specific transport packet length indicated by the size information of the first management information.

With respect to the rejection of Claim 19 as unpatentable under 35 U.S.C. §103(a) over Yoo in view of Morrison, Applicants respectfully submit that the amendment to Claim 17 overcomes this rejection. Amended Claim 17 recites, *inter alia*, “a management area, different from the data area,...said first and second management information recorded in the management area are configured to be reproduced prior to reproduction of the broadcasted MPEG transport stream information recorded in the data area.”

The outstanding Office Action states that Yoo fails to teach the second management information specifying broadcast sources.¹ Thus, Applicants respectfully submit that Yoo does not teach or suggest “said first and second management information recorded in the management area are configured to be reproduced prior to reproduction of the broadcasted MPEG transport stream information recorded in the data area.”

The outstanding Office Action relies on Morison to describe management information specifying a broadcast source.² Morison discloses that individual packets that comprise particular program channels are identified by Packet Identifiers (PIDs). The transport stream contains Program Specific Information (PSI) for use in identifying the PIDs.³

However, Morison discloses that that PID and PSI are part of the transport steam and are recorded at an area of data content, and not at a management area.⁴ As clarified by the present amendment, the management area is different than a data area. Since the PID and the PSI are recorded at an area of data content and are part of the transport stream, the PID or PSI will not be reproduced prior to reproduction of the data content (the MPEG transport stream

¹ Office Action, mailed August 11, 2005, page 3.

² Office Action, mailed August 11, 2005, page 4.

³ Morison, col. 8, lines 49-55.

⁴ Morison, col. 8, lines 45-55.

information recorded in the data area). Rather, PID and PSI will be reproduced with reproduction of the data content. Thus, a particular broadcast source cannot be known before starting reproduction of the data content.

According to the claimed invention, since the management information (including the claimed second management information specifying the broadcast source) is configured to be reproduced prior to reproduction of the MPEG transport stream information, a control program (firmware) of a recorder/player using the claimed medium can know the type or kind of the broadcast source before starting reproduction of the recorded MPEG transport stream information.

In view of the above-noted distinctions, Applicants respectfully submit that Claim 19 patentably distinguishes over Yoo and Morrison, taken alone or in proper combination. Amended Claims 17, 20, and 22 are similar to amended Claim 19. Accordingly, Applicants respectfully submit that amended Claims 17, 20, and 22 patentably distinguish over Yoo and Morrison, taken alone or in proper combination, for at least the reasons stated for Claim 1.

Consequently, in view of the foregoing discussion and present amendments, it is respectfully submitted that the application is in condition for allowance. An early and favorable action is therefore respectfully requested.

Respectfully submitted,

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